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Notes:

1. Untranslatable words are replaced with asterisks (***)�.
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CLAIM + DETAILED DESCRIPTION

[Claim(s)]

[Claim 1] LED (7) is prepared in at least one place of the lead (9) which wires along with the bone (3) which constitutes an umbrella. [a lead / it lets this lead (9) pass to bone / said / (3) meet along said bone (3) and in a support (4), and accept it, and / wire and] Switch with the power supply battery (8) which makes circuit connection with this each lead (9), and [a switch (10) and a blink circuit (11)] The luminescence umbrella characterized by grasping, respectively, preparing in (5) or a ferrule (12), switching each LED (7) to "putting out lights", "continuation lighting" or, and "blink luminescence", and making it emit light with said change switch (10).

[Claim 2] In said blink circuit (11), it is each LED (7) and (7)... The control part (11a) which carries out variable [of the blink cycle of each of (7)] respectively, and supplies electric power is prepared, every beforehand set up by this control part (11a) -- LED (7) and (7) ... [at least two or more sorts of blink patterns according to the blink cycle of (7) / prepare and] The luminescence umbrella according to claim 1 characterized by switching and choosing it as either of the blink pattern, and making it emit light with a blink pattern change machine (10A).

[Claim 3] The blink change switch (10B) which made one both the vessels of the change switch (10) according to claim 1 and the blink pattern change machine (10A) according to claim 2 is formed in a circuit according to claim 2. the blink change switch (10B) -- every -- LED (7) and (7) ... (7) -- "Putting out lights", "continuation lighting", "blink pattern ***", and "blink pattern ***" ... the luminescence umbrella according to claim 1 or 2 characterized by switching to either and making it emit light.

[Claim 4] The self-blink LED (7A) is formed in at least one place of the lead (9) which wires along with the bone (3) which constitutes an umbrella. [a lead / it lets this lead (9) pass to bone / said / (3) meet along said bone (3) and in a support (4), and accept it, and / wire and] grasping the power supply battery (8) and switch (10a) which make circuit connection with this

each lead (9), respectively, and forming them in (5) or a ferrule (12) -- said switch (10a) -- each one -- oneself -- Blink LED (7A) (7A) ... (7A) "putting out lights" -- or -- "the luminescence umbrella characterized by making light blink" " carry out and emit.

[Claim 5] Claim 1, 2 and 3, or the luminescence umbrella of four descriptions which made circuit connection of at least one of the bones (3) and support (4) supporters (6) which constitute an umbrella as an energization part which supplies electric power to the oneself blink LED (7A) LED (7) or each each one.

[Claim 6] the sliding type electrode (16) which slides on the inside of a support (4), or a peripheral surface up and down, and carries out contact energization in the umbrella of a fold-up formula -- at least 1 -- the luminescence umbrella of Claim 1 characterized by preparing very much, 2, 3 and 4, or 5 descriptions.

[Claim 7] In the proper place of said lead (9), carry out connection fixation and the socket (14) of a necessary number is manufactured. Next, the luminescence umbrella and its manufacture method of Claim 1 characterized by having wired and preparing the lead (9) in said socket (14) possible [each insertion and detachment of LED (7)] along with a bone (3), 2, 3, 4 and 5, or 6 descriptions.

[Claim 8] In the tip part of a lead (9) which supplies electric power to LED (7), carry out connection fixation and a socket (14) is manufactured. Next, the manufacture method of the luminescence umbrella which this socket (14) is located at a bony (3) tip, is made to equip this socket (14) with it possible [insertion and detachment of LED (7)], covers this LED (7) with the protection cap (15) of a light transmittance state, is made to decorate the tip part of said bone (3) with, and is manufactured.

[Claim 9] The manufacture method of a luminescence umbrella according to claim 8 that LED (7) becomes by two or more colors LED which emit light in two or more colors with one LED simple substance, or the self-blink LED (7A).

[Detailed Description of the Invention]

[Field of the Invention] This invention relates to the luminescence umbrella and the manufacture method of walking at rainy night safely.

[Description of the Prior Art] If you are walking along the umbrella very rainy night, a field of view may become narrow with an umbrella, approaching [car] not easily seen [the surroundings] may not notice, but it may be very dangerous. When the front to especially the wind is blowing, it is obliged to lean an umbrella ahead, a front oncoming car disappears, and it is very dangerous. Moreover, also in an automatic car side, a rainy day may not be very easy to discover it in a dress with a blackish pedestrian with whom the windshield became cloudy easily, it becomes impossible for the front to have been clearly seen, and it put especially the

umbrella in the top where visibility is low, if a blackish umbrella is very, and may become danger very much. Then, prepare LED (light emitting diode) at the tip of the bone of an umbrella, and a battery is made to build in the handle (handle) portion of an umbrella. As well-known invention which makes said LED turn on, JP,H1-170120,U, It applies for JP,H2-59620,U, JP,H4-5906,A, etc., and applies for JP,S60-69022,U, JP,S60-45302,A, JP,H1-117213,U (only any of lighting or blink), etc; as well-known invention which makes it blink. In these well-known invention, when it actually carried out, the driver of the car could do vision of the light which lights up or blinks more easily than a distant place, and demonstrating an effect to some extent to the above-mentioned problem was confirmed by the trial experiment of this invention person here. However, this invention person is the process of the trial experiment, there is room of improvement in said well-known invention further, and it found out that the effect in much more safe side and an ornament side could be demonstrated by adding improvement. namely, -- in said well-known invention -- every -- whether if LED turns on a switch, it will be turned on only in succession blinks -- [it is one of those composition and] in a safe side Rather than the light which is emitting light continuously changeless as it is, the direction of the light which is emitting light while blinking makes cautions and warning of vision of man evoke more, and the light which is emitting light night can give people cautions and warning by blinking the light which emits light, and has the characteristic of making it gazing at people's eyes there. For this reason, it is still more effective to apply that characteristic and this invention person proposes [then,] using luminescence of "continuation lighting", and "blink luminescence" properly here. [for example, the thing rapidly switched to a "blink luminescence" state from a "continuation lighting" state] While it can be made to gaze at people's eyes by sudden change of a lighting state there and he is walking along the place along the route of a road, it is made "continuation lighting", and if it is made "blink luminescence" when crossing a road, two steps of cautions and warning according to the spot can be given. If you are walking this along the place along the route only in the state of "blink luminescence", the driver of a car will always pour out cautions more than needed, and a nerve will get tired. However, with the composition of well-known invention, it cannot carry out variable to "continuation lighting" or "blink-luminescence" according to the spot. Next, in an ornament side, the following thing is imagined as a problem which is conventionally latent in an umbrella. Although it originally carries and walks around with an umbrella on a rainy day, in the day when rain did not fall, or the interior of a room and a train, it tended to become a "burden" and the umbrella did not have the pleasure carried deficiency in fanciness as mere "tool of a rain-cover" in respect of practical use. And although made in view of the safe side also in well-known invention, it was lacking in fanciness. Furthermore, as a following problem [problem / of a manufacture side] Although the problem is not mentioned in particular in well-known invention, in actually manufacturing the luminescence umbrella turned on or blinked using

LED, there is a big problem which should be solved and the composition or the manufacture method of solving the problem in well-known invention are not shown. For example, although the figure which fixes LED to the bone of an umbrella at JP,H1-170120,U, JP,H2-59620,U, JP,H4-5906,A, etc. is indicated The composition of this well-known invention fixes LED so that it cannot secede from a lead, a bone, or a holder, and in this composition, the following breaks out as a practical question.

- 1) there is a possibility that may damage LED which boils an umbrella occasionally, carries out, was easy to be treated violently, and was easy to throw something especially the tip of the bone of an umbrella, therefore well-known invention fixed, and it may be missing. For this reason, although to constitute stubbornly is required for preventing it, there is a limit also in the production costs of an umbrella, and when missing [damaged and], with the composition of well-known invention, repair will not be easy and may call it the life of an umbrella depending on the case. (Above said well-known 3 invention)
- 2) Although it is possible to manufacture an umbrella in trial production with the composition which fixes LED to a lead or a bone, the manufacturing process is very difficult for carrying out connection fixation and actually manufacturing each LED to a lead, in the mass production of an umbrella, and it is low. [of the productivity mentioned later] (Above said well-known 2 invention)

[Problem to be solved by the invention] This invention is what was made in view of the problem of the safe side which is latent in said well-known invention and the conventional umbrella, an ornament side, and a manufacture side. The purpose is to make each LED prepared along with the bone of an umbrella in a safe side the composition which switches to two steps, "continuation lighting" and "blink luminescence", and makes them emit light. It enables it to demand evocation of the cautions proportional on that occasion and warning from a driver in two steps. It is demonstrating the most effective safety, and some blink patterns are prepared beforehand in the ornament side, and it is offering a fashionable luminescence umbrella with the fanciness which had an electric-spectaculars fine sight by choosing them, switching and enabling it to emit light. Moreover, in a manufacture side, productivity is offering the luminescence umbrella which, at best moreover, took into consideration aftercare with easy repair exchange most. Moreover, it is also in offering the blink luminescence umbrella made with the most inexpensive composition.

[Means for solving problem] This invention is set to a safe side and ornament side, in order to solve said technical problem. LED (7) is prepared in at least one place of the lead (9) which wires along with the bone (3) which constitutes an umbrella. [a lead / it lets this lead (9) pass to bone / said / (3) meet along said bone (3) and in a support (4), and accept it, and / wire and] Switch with the power supply battery (8) which makes circuit connection with this each lead (9), and [a switch (10) and a blink circuit (11)] It is the composition of grasping, respectively,

preparing in (5) or root clusters (12), switching each LED (7) to "putting out lights", "continuation lighting" or, and "blink luminescence", and making it emitting light with said change switch (10). Moreover, in said blink circuit (11), it is each LED (7) and (7)... The control part (11a) which carries out variable [of the blink cycle of each of (7)] respectively, and supplies electric power is prepared. every beforehand set up by this control part (11a) -- LED (7) and (7) ... [at least two or more sorts of blink patterns according to the blink cycle of (7) / prepare and] It is the composition of switching and choosing it as either of the blink pattern, and making it emitting light with a blink pattern change machine (10A). Moreover, the blink change switch (10B) which made one both the bodies of the change switch (10) and the blink pattern change machine (10A) is formed in said circuit, the blink change switch (10B) -- every - LED (7) and (7) ... (7) -- "putting out lights", "continuation lighting", "blink pattern **", and "blink pattern **" -- it is the composition of switching to either of ... and making it emitting light. Moreover, it has composition which the LED carries out self-blink and emits light by forming the self-blink LED as composition blinked inexpensive even if it does not prepare a blink circuit. Moreover, in a manufacture side, it is the manufacture method of carrying out connection fixation, manufacturing the socket (14) of a necessary number to a lead (9), wiring, then preparing the lead (9) in said socket (14) possible [each insertion and detachment of LED (7)], and manufacturing it along with a bone (3) next. Moreover, in the tip part of a lead (9) which supplies electric power to LED (7), carry out connection fixation and a socket (14) is manufactured. Next, it is the manufacture method which this socket (14) is located at a bony (3) tip, is made to equip this socket (14) with it possible [insertion and detachment of LED (7)], then covers this LED (7) with the protection cap (15) of a light transmittance state, and decorates said bone (3) with. Moreover, it can also have composition which makes circuit connection of at least one of the bones (3), supporters (6), and supports (4) which constitute an umbrella as each energization part which supplies electric power to LED (7).

[Mode for carrying out the invention] The forms which this invention carries out are enumerated below and, for details, a work example explains.

- * LED may be installed in all bones and may be installed only in the selected bone.
- * One LED installed along with one bone may be good, and plurality is sufficient as it.
- * The lead which wires along with a bone may let inside pass, as long as a bone is hollow, and as long as it is faithful, it may wire along an outside.
- * Not only red but green and blue are sufficient as LED, and it may be made intermingled respectively.
- * Each cycle which blinks LED, and its blink pattern can be variously set up by the control part of a blink circuit.
- * The battery used as a power supply may be a battery.

[Working example] This invention is explained based on Drawings.

Work-example 1 drawing 1 shows the work example 1 of this invention. First, it grasps to the lower end of a support 4, there is 5 as composition of the conventional umbrella 1, there is a supporter 6 in the upper part of a support 4, and the bone 3 supported to revolve by the supporter 6 consists of sheets 2 stretched to those with two or more (usually 8), and a bone 3. In this composition, the front view in which drawing 1 (a) shows the work example 1 of this invention, and drawing 1 (b) show the bottom view seen from the bottom. It is what made circuit connection and prepared LED7 of red in each tip part of eight bones 3. It is the composition shown in drawing 7 as this circuit composition, eight LED7 and 7...7 are connected to parallel, respectively, and it switches with a battery 8, and circuit connection of a switch 10 and the blink circuit 11 is made, and LED7 and 7...7 are switched to "OFF", "continuation lighting", and "blink luminescence." Each composition part is explained here. As shown in drawing 5, LED7 make solder connection of the two leads, + pole and - pole, 9 and 9 at the electrode terminals 14b and 14b of a socket 14, respectively, and they wire the leads 9 and 9 inside a bone 3. A socket 14 is located at the tip of a bone 3, and after inserting two terminals of LED7 in each of those electrode holes 14a and 14a and connecting with them, the protection cap 15 was formed by the synthetic resin of the light transmittance state, was prepared in the fitting type and screwing type which are locked so that it may not separate easily, and in the state where it was able to reverse, as external force was not added to direct LED7, it has prevented breakage of LED7. The protection cap 15 can consist of flexible materials which do not break easily. You may fix at the tip of a bone 3, and it may fix and a socket 14 may also drop off. As shown in drawing 4, a power supply section is grasped, it prepares in 5 and the change switch 10 of a rotation change type is grasped, it prepares in the up flank of 5, the blink circuit 11 is grasped, and it prepares in the inside of the upper part of 5. And although the blink circuit 11 is not illustrated with the circuit composition of drawing 7, an electrolytic condenser and IC (LM3909) can constitute. Next, the single 5 type battery 8 is made into 2 series, and is grasped, it stores and prepares in the battery holder 13 in five, and the upper part of grip 5 is prepared in attachment-and-detachment structure by a screwing formula. The lead 9 linked to LED7 and 7...7 and 9...9 wire in each bone 3, after they make each said pole connection with a supporter 6, they give a margin a little, let pass and wire in a support 4, and make circuit connection of each of these leads 9 and 9 with the change switch 10, the blink circuit 11, and each terminal of the battery holder 13. It can connect by the connector which is not illustrated and connection of the leads 9 and 9 which wired the inside of this support 4 may be connected soon. Since it is not interfered since it is wiring in a support 4 and the margin of length is moreover given a little with the supporter 6 when each leads 9 and 9 fold up an umbrella 1 with this composition, there is no fear of disconnection by crookedness. If actual use by this composition is carried

out to the circuit composition of drawing 7, and the change switch 10 formed in the grip 5 is rotated, and it is switched and operated, for example, it fixes to "blink" If eight LED7 prepared in the surroundings of the umbrella 1 and 7...7 carry out blink luminescence at a stretch simultaneously and it fixes to "lighting", light will be emitted by continuation lighting at a stretch. The blink cycle of blink luminescence here can carry out variable by changing the circuit composition of the control part 11a in the blink circuit 11. Since luminescence which these LED7 [each] blinked is visible in the shape of [three-dimensional] an ellipse from a distance, and it is very conspicuous in a dimly lighted place and visible while a round umbrella emerges in the shape of an ellipse periodically and being able to carry out the vision of it, cautions and evocation are urged, and that effect has a large effect rather than having switched on the light continuously. Moreover, if an umbrella 1 is leaned, a fine sight will be given while making it gaze at people's eyes, since it shines periodically, and it emerges and is visible in variety ellipse (maximum circle) form with the inclination. It is green not only red but, and LED7 and 7...7 are constituted here, and red and green can be made intermingled, and it can also blink [it can be made green blink, or], and becomes blink luminescence equipped with still the electro-spectaculars fine sight. It is effective especially in order that carrying out in an instant and carrying out blink luminescence red may tell danger, in foreknowing especially danger, since it can do by carrying out the change of lighting or blink with the change switch 10 in an instant and is switched according to a situation on that occasion. In addition, it is fixing the change switch 10 to "OFF" at the time of intact, and each LED7 keep lighting and blink not carried out, and they can be kept. In addition, although wired through the lead 9 in the bone 3 and the support 4, circuit connection of a bone 3, a supporter 6, or the support 4 can also be made as an energization part very by the side of one. Next, as the manufacture method, in the tip part of the lead 9 which supplies electric power to LED7, carry out connection fixation and a socket 14 is manufactured. [next, the thing to carry out to the manufactured manufacture method which this socket 14 is located at the tip of a bone 3, is made to equip this socket 14 with it possible / insertion and detachment of LED7 /, covers these LED7 with the protection cap 15 of a light transmittance state, and decorates said bone 3 with] Even if it is covered with the protection cap 15 and it is hard to damage LED7, and LED7 are damaged while using an umbrella, substituting for new LED will be possible and repair exchange can be performed simply. In a manufacturing process, a socket 14 Moreover, since [for example,] it can constitute so that either red LED or green LED can be taken out and inserted, Wire harness ASSEI which carried out connection fixation of the socket 14 can be communalized with red to the lead 9 at green two ways, and the part mark in a manufacturing process are made to the minimum, and a manufacturing process is easy and it becomes easy to produce it.

Work-example 2 drawing 2 shows the composition of the work example 2 of this invention. Each socket 14 which the leads 9 and 9 connected in parallel with three places is formed to

eight bones 3 which constitute an umbrella 1, and they are every LED7a1, seven b1, and 7c1/to each... Each terminal of 7a8, seven b8, and 7c8 is inserted, respectively, and the leads 9 and 9 are formed along with a bone 3. [the method / sockets / 14 and 14A / the leads 9 and 9 and / each / of connection fixation] For example, a socket 14 and its electrode terminal 14b cylindrical at the tip of two leads 9 and 9 with composition as shown in drawing 13 , Solder connection of the 14b is made and it fixes, and solder connection of the sockets 14A and 14A of the size like 3mm(width) x6mm (length) x 2.5mm (height) is made with each electrode terminals 14b and 14b, respectively, and it fixes to *** which stripped covering and was exposed at two suitable places of the leads 9 and 9. You may connect with a series of one lead 9, and the connection between each sockets 14A and 14A and the lead 9 may prepare the lead 9 which connects between each socket, respectively, may divide it, and may be connected here. The leads 9 and 9 connected with a socket 14 and Sockets 14A and 14A here set aside the main part of an umbrella. It can manufacture as one wire harness ASSEI, and the wire harness ASSEI object which bundles the leads 9 and 9 which wire each bone 3, respectively, and makes connector connection of the tip with the above-mentioned power supply section can be built. Each wire harness ASSEI shown by drawing 13 and drawing 14 can raise the productivity mentioned later. As the attachment method to the umbrella of wire harness ASSEI shown by this drawing 13 and drawing 14 , when hollow [a bone 3], it can fix by the locking part material which makes the leads 9 and 9 through and an insertion type into a bone 3, or does not illustrate a proper plate as shown in drawing 15 , or can fix with adhesives. And LED7 by which the both-ends child was projected in this direction are inserted in the electrode holes 14a and 14a of the socket 14 fixed at the tip of the leads 9 and 9 in the state where it fixed, the protection cap 15 can be reversed like drawing 5 of a work example 1 from on the, and it fixes to a bone 3. Next, as a work example projected mutually in the counter direction, a terminal inserts LED7B (Matsushita Electronics Industry part number LN0120CAL) of the size like 2.2mm(width) x3mm (length) x 1.5mm (height) in the electrode holes 14a and 14a of said socket 14A, and is fixed. Since LED7B is the above mentioned minute size, even if it changes into the state where it fixed on the bone 3 and covers with a sheet 2, it does not become obstructive at all here. In addition, not hollow but when solid, a bone 3 may make the leads 9 and 9 be along the outside of a bone 3, and may wire, and may connect mechanically the connection between the lead 9 and the electrode terminal 14b of Sockets 14 and 14A in total not only with solder connection but with a sticking-by-pressure implement etc. Moreover, the socket which carries out connection fixation with the lead 9 may be made only socket 14A type composition, and may be prepared in each position including the tip of the lead 9. It is that total LED7a1, seven b1, and 7c1/to have LED7 and composition which carried out connection fixation of the 7B, respectively by this composition, and to be shown in drawing 8 ... It is the circuit composition which shows one work example which carried out multiple connection

of /7a8, seven b8, and 7c8 respectively. It is visible in the shape of [three-dimensional] a upper hemisphere, and if it connects with "lighting" and continuation lighting is first carried out with the change switch 10 here, from a work example 1, the light which emits light can carry out vision of the form of an umbrella to relief in three dimensions like a planetarium further, and moreover the umbrella 1 whole is brightly conspicuous still more gorgeously, and it is visible. Moreover, by leaning an umbrella 1, the light which each emits light overlaps or is each other interwoven with, and gives a fine sight further further. Next, if it switches, a switch 10 is switched to "blink" and it connects with the blink circuit 11, there are some blink patterns beforehand set as the circuit in the control part 11a, and the blink pattern is switched with the blink pattern change machine 10A, and can be made to emit light by a desired blink pattern. The blink pattern is made by carrying out variable setup of the cycle which supplies electric power to every LED7 and 7...7 in the circuit in the control part 11a one by one. One example of an operation circuit in the control part 11a is shown in drawing 9. The circuit shown here uses SI 7 TOREJISUTA, is using a serial input and parallel output type SI 7 TOREJISUTA, can prepare a blink pattern as shown in drawing 10, using this circuit composition, can switch it with the blink pattern change machine 10A, and can be blinked respectively. If the example of each of that blink pattern is shown -- (a) every -- [LED / LED lights up in order and] All-points light is carried out. All the blink patterns to switch off (b) Each LED every one by turns [blink] blink pattern (c) every to repeat -- blink (pattern d) pattern [blink] (e) every in which LED repeats blink simultaneously and with which two LED(s) and one LED repeat blink by turns -- although LED can set up by the blink pattern which blinks in the shape of [one / every] roulette, it can set variously as others. Moreover, the blink speed can carry out variable by Volume 11b. Drawing 11 is what makes one both the machines of the change switch 10 and the blink pattern change machine 10A, and was switched with one switch. that blink change switch 10B -- every -- LED7 -- "putting out lights", "lighting", "blink pattern **", and "blink pattern **" -- it can be respectively switched to ..., and by having this composition, all the change operations can be performed with one change machine, and it can be operated very easily. LED7 are connected only to the socket 14 which connected at the tip here in wire harness ASSEI shown in above-mentioned drawing 13, other sockets 14A may be left an opening and may be prepared in a bone 3, and by carrying out like this, it has the same composition as a work example 1, and can carry out. Moreover, since 7B is constituted to each sockets 14 and 14A, enabling LED7 and free insertion and detachment, for example, [be / it / as making intermingled and constituting **** /, and] [connecting and constituting green LED in connecting and constituting red LED] Since it can communalize altogether by one wire harness ASSEI of illustration and wire harness ASSEI can be each communalized for this reason, also when manufacturing the luminescence umbrella of varieties, part mark can be reduced, and manufacture is easy and, moreover, can produce at low cost. Here, as shown in

drawing 14, it is wire harness ASSEI. Connection fixation of the leads 9 and 9 and each sockets 14 and 14A which became independent respectively can be carried out, it can also constitute from another connection, and control which turns on or blinks separately LED7B and LED7B which were prepared in one bone 3, and LED7 with constituting in this way, respectively can be performed. Moreover, as shown in drawing 16, you may constitute so that flexibility may be given, and one end each of the electrode terminal 14b of a socket 14 and Socket 14A may be mechanically contacted to the metal bones 3 and may be energized. It is necessary to connect in series the resistor R which restricts each current which supplies electric power to LED to several 10mA, therefore resistance may not be low, and if especially the bone 3 is iron material, it fully achieves the duty of energization and can carry it out with this composition. Moreover, by the above mentioned composition of wire harness ASSEI of drawing 14, the blink pattern with which an umbrella 1 emits light can be composed of still more various blink patterns. For example, it can be made to switch on the light or blink towards a lower part in order of LED(7c1...7c8) ->(seven b1...7b8) -> (seven a1...7a8) from the upper part of an umbrella. The blink circuit 11 can integrate each element which carries out circuit composition; can make it the letter of a chip, and can be dedicated here in the upper part of the grip 5 shown in drawing 4.

Work-example 3 drawing 3 shows the composition of the work example 3 of this invention. It is what prepared self-blink LED7A which built in the oscillation chip at the tip of every the one four bones 3 among eight bones 3 which constitute an umbrella 1, and if it is made the circuit connection shown in drawing 12, self-blink can be carried out and four self-blink LED7A can be made to emit light. If it has this composition, even if it will not connect the circuit for blink, self-blink is carried out, and manufacture implementation can be carried out very inexpensive. In addition, you may install LED7A of a suitable number in eight bones 3 like work examples 1 and 2.

Work-example 4 drawing 6 shows the composition of the work example 4 of this invention. What used as the hollow central part integral-moulding object the battery holder 13 and the blink change switch 10B which store a battery 8, and the blink circuit 11 is fixed on root clusters 12. Although it may grasp like a last work example, it may switch by 5 and switching operation may be carried out, it is the composition that could switch and carry out switching operation even to root clusters 12 like the composition of this work example, and it was suitable for especially *****. In addition, two or more colors LED which emit light in two or more colors can also constitute LED7 from one LED simple substance as composition of this invention. Moreover, LED7 are added, it can prepare in the peak or the inside of root clusters 12, and it can also be made to emit light. Moreover, it switches to root clusters 12 with the battery holder 13 with said composition, and you may make it make either and the blink circuit 11 of a switch 10, the blink pattern change machine 10A, or the blink change switch 10B install

inside. Moreover, the lead 9 may consist of coaxial cables. Moreover, in the umbrella of a ***** type, the lead 9 may be wired along with a bone 3, and you may have composition which connects the lead 9 with the sliding type electrodes 16 and 16 which carry out contact energization at the sliding type prepared in the support 4 shown in drawing 12. A support 4 is made into one pole, and is energized here, and this sliding type electrode 16 also has composition of only one pole, and it can also prepare in the peripheral surface of a support 4. [Effect of the Invention] As mentioned above, since this invention switches each LED prepared along with the bone of an umbrella to "continuation lighting" or "blink luminescence" and can emit light, it makes two steps the cautions on that occasion and the warning according to a dangerous situation, can evoke a driver's, can be made to be able to gaze at them most effectively, and can offer a safe luminescence umbrella in a safe side. Moreover, in respect of an ornament, selection change ***** can be carried out at the pattern of a request of some blink patterns prepared beforehand, and the spectacle can offer a fashionable umbrella with electric-spectaculars a fine sight and fanciness. Moreover, since it is the manufacture method of manufacturing the lead which carried out connection fixation of the socket of a necessary number beforehand as harness ASSEI, being able to communalize, and equipping LED possible [insertion and detachment] at the following process in respect of manufacture, Manufacture is easy, productivity is the best and the luminescence umbrella with which after production can moreover do aftercare of repair exchange simply can be manufactured. Moreover, by manufacturing a luminescent umbrella with the structure which can reverse a protection cap to LED provided at a bony tip, and attaches it decoratively, even if violent treatment is made by actual use, LED can offer the strong luminescence umbrella which is hard to be damaged easily. Moreover, by constituting from self-blink LED not using a blink circuit, the blink luminescence umbrella made in the most inexpensive production costs can be offered. Moreover, it can also make it simultaneous to lessen consumption of a battery in the meantime with the composition which carries out blink luminescence.

[Translation done.]